

"Fortran 2003 and 2008 Features and Compiler Support: Version 1, August 2008" "Y=Yes, N=No, P=Partial."

| | Cray | gfortran | g95 | IBM | Intel | NAG | Sun |
|---|--------|----------|-----|-----|--------|--------|-----|
| ISO TR 15580 IEEE Arithmetic | Y | N | P | Y | N | Y | Y |
| ISO TR 15581 Allocatable Enhancements | Y | Y | Y | Y | Y | Y | Y |
| Data enhancements and object orientation | | | | | | | |
| Parameterized derived types | Y | C | N | N | N | N | N |
| Procedure pointers | Y | N | Y | Y | N | N | N |
| Finalization | N | N | N | Y | N | N | N |
| Procedures bound by name to a type | Y | N | N | Y | N | Y | N |
| The PASS attribute | Y | N | N | Y | N | Y | N |
| Procedures bound to a type as operators | Y | N | N | Y | N | Y | N |
| Type extension | Y | N | N | Y | N | Y | N |
| Overriding a type-bound procedure | Y | N | N | Y | N | Y | N |
| Enumerations | Y | Y | Y | Y | N | Y | N |
| ASSOCIATE construct | Y | N | N | Y | N | Y | N |
| Polymorphic entities | Y | N | N | Y | N | "Y, 1" | N |
| SELECT TYPE construct | Y | N | N | Y | N | Y | N |
| Deferred bindings and abstract types | N | N | N | Y | N | Y | N |
| Miscellaneous enhancements | | | | | | | |
| Structure constructors | Y | N | Y | Y | N | N | N |
| The allocate statement | Y | N | P | Y | N | Y | N |
| Assignment to an allocatable array | "Y, 2" | N | N | Y | "Y, 2" | N | N |
| Transferring an allocation | Y | Y | N | Y | Y | N | N |
| More control of access from a module | Y | Y | N | Y | "Y, 6" | Y | N |
| Renaming operators on the USE statement | Y | P | Y | Y | Y | N | Y |
| Pointer assignment | Y | N | Y | Y | Y | Y | N |
| Pointer INTENT | Y | Y | Y | Y | Y | Y | N |
| The VOLATILE attribute | Y | Y | Y | Y | Y | Y | Y |
| The IMPORT statement | Y | Y | Y | Y | Y | Y | N |
| Intrinsic modules | Y | Y | Y | Y | Y | Y | Y |
| Access to the computing environment | Y | Y | Y | Y | Y | Y | Y |
| Support for international character sets | N | N | Y | P | N | P | N |
| Lengths of names and statements | Y | Y | ? | Y | Y | Y | Y |
| "Binary, octal and hex constants" | Y | Y | Y | Y | Y | Y | Y |
| Array constructor syntax | Y | "P, 4" | Y | Y | N | "P, 4" | N |
| Specification and initialization expressions | P | P | Y | Y | P | N | N |
| Complex constants | Y | Y | Y | Y | Y | N | Y |
| Changes to intrinsic functions | Y | "P, 9" | Y | Y | N | P | N |
| Controlling IEEE underflow | Y | N | N | Y | N | N | Y |
| Another IEEE class value | Y | N | N | Y | N | N | Y |
| Input/output enhancements | | | | | | | |
| Derived type input/output | N | N | N | Y | N | N | N |
| Asynchronous input/output | Y | C | Y | Y | Y | P | Y |
| FLUSH statement | Y | Y | Y | Y | Y | N | Y |
| IOMSG= specifier | Y | Y | Y | Y | N | Y | Y |
| Stream access input/output | Y | Y | Y | Y | Y | Y | Y |
| ROUND= specifier | Y | N | P | Y | N | N | Y |
| DECIMAL= specifier | Y | C | Y | Y | N | Y | Y |
| SIGN= specifier | Y | C | Y | Y | N | Y | Y |
| Kind type parameters of integer specifiers | Y | N | ? | Y | Y | Y | N |
| Recursive input/output | Y | P | Y | Y | Y | N | Y |
| Intrinsic function for newline character | Y | Y | Y | Y | Y | Y | N |
| Input and output of IEEE exceptional values | Y | Y | Y | Y | "Y, 7" | Y | Y |
| Comma after a P edit descriptor | Y | Y | Y | Y | Y | Y | Y |
| Interoperability with C | | | | | | | |
| Interoperability of intrinsic types | Y | Y | Y | Y | Y | Y | Y |
| Interoperability with C pointers | Y | Y | Y | Y | "Y, 8" | Y | Y |
| Interoperability of derived types | Y | Y | Y | Y | Y | Y | Y |
| Interoperability of variables | Y | Y | Y | Y | Y | Y | Y |
| Interoperability of procedures | Y | Y | Y | Y | Y | Y | Y |
| Interoperability of global data | Y | Y | Y | Y | Y | Y | Y |

Notes

1. No unlimited polymorphics
2. Optional under flag
3. No type spec support
4. Protected only
5. All except NaN Hex
6. No procedure pointers
7. "kind= of maxloc, minloc, shape missing"